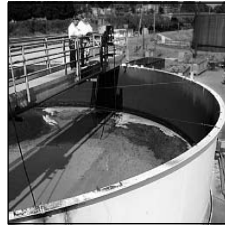


Industrial Pretreatment Quarterly

Published for Industrial Dischargers by the King County Industrial Waste Program (KCIW)



King County

Wastewater Treatment Division
Industrial Waste Program

Volume XXVII Issue 3 Sept. 2006

Mission Statement

The mission of the Industrial Waste Program is to protect the environment, public health, biosolids quality, and King County's regional sewerage system. We work cooperatively with our customers as we regulate industrial discharges, provide technical assistance, and monitor the regional sewerage system.

Industrial Waste Advisory Committee

Christopher Arfman, Skills, Inc.
Kevin Burrell, Environmental Coalition of South Seattle (ECOSS)
Ken Gross, GM Nameplate
Donna Hoskins, Berlex Laboratories
Bill Hughes, Skills, Inc.
Larry Petersen, Mikron Industries
Al Rainsberger, Todd Pacific
Heather Trim, People for Puget Sound
Doris Turner, Boeing Commercial Airplane Group - Renton
Chris VanHoof, City of Kent
Scott Woerman, TestAmerica

2005 Rewards and Recognition Program

(Awarded in 2006 and listed here throughout the year)

Commitment-to-Compliance Award

Mastercraft Metal Finishing Inc.
Western Pneumatic Tube

(Continued on page 2)

Gold Award

A.O. Smith Water Products Co.
Acu-Line Corp.
Amgen Corp. - Bothell
Arco Petroleum Products Co.
Asko Processing, Inc.
Avtech Corp.

KCIW recognizes Commitment-to-Compliance award winners

Each year the King County Industrial Waste Program (KCIW) recognizes significant industrial users of the sewer system that have helped to protect human health and the environment by maintaining an excellent record of compliance with rules and regulations for the previous calendar year.

Mastercraft Metal Finishing, Inc., Seattle and Western Pneumatic Tube Company, Kent have earned KCIW's Commitment-to-Compliance Awards for 2005, for discharging wastewater every month for five years with no violations.

Western Pneumatic Tube Company

Companies are eligible to win the Commitment-to-Compliance Award once every five years, and Western Pneumatic is only the fourth company in the history of the awards program to win twice.

(Continued on page 3)



At Western Pneumatic Tube Company

l. to r.: Greg Newborn, KCIW acting managing supervisor; Alan Haake, quality program coordinator; Clayton Zard, operations; Nels Hartshorn, technical director; Dave Haberman, KCIW compliance investigator.

Inside this Issue

- 2005 Commitment-to-Compliance Awards (pg. 1)
- KCIW News (pg. 2)
- Discharges can harm pump stations (pg. 4)
- Facilities to revise slug control plans (pg. 4)
- Industrial Pretreatment Tips: Definitions (pg. 4)
- Ecology focuses on hospital waste (pg. 5)
- Molybdenum source survey to protect biosolids (pg. 5)
- Local sewer agencies' update (pg. 6)
- Meet an IWAC member (pg. 6)
- Recent enforcement actions (pg. 6)
- KCIW workshop registration (back cover)

KCIW News Briefs

New KCIW program managing supervisor

Dr. Despina Strong, Ph.D. has been chosen as the new environmental programs managing supervisor of KCIW. She replaces Elsie Hulsizer, who held the position for 19 years. Despina comes to the KCIW from King County's Water and Land Resources Division Environmental Lab, where for 14 years she was supervisor of the Conventional Unit. In addition, she recently functioned as the acting supervisor of the lab's Microbiology Unit. Despina's credentials include a bachelor's degree in industrial chemistry from the University of Wales and a doctorate in analytical chemistry from Washington State University. She began her role as KCIW's supervisor September 5th. Welcome Despina!

Upcoming IWAC meeting

The next meeting of KCIW's Industrial Waste Advisory Committee (IWAC) will be Nov. 1. The meeting site at 130 Nickerson St., Seattle is wheelchair accessible. People who have needs or disabilities for which arrangements must be made in advance should contact KCIW Administrator Kristin Painter at 206-263-3000 or TTY Relay: 711, or e-mail: kristin.painter@metrokc.gov. For more on IWAC see page 6 and visit: <http://dnr.metrokc.gov/wlr/indwaste/iwac.htm>.

KCIW's new biotechnology industry sector permitting guidelines

KCIW has issued permitting guidelines for area biotechnology operations that discharge wastewater into the King County sewerage system. The guidelines are posted at: <http://dnr.metrokc.gov/wlr/indwaste/biotech.htm>. You may also obtain the guidelines by contacting KCIW (see page 3.)

For further information contact Compliance Investigator Arnaud Girard at 206-263-3012 or e-mail: arnaud.girard@metrokc.gov

Apply for KCIW's EnvirOvation award

December 15 is the deadline to apply for KCIW's EnvirOvation award. The award is given to one or more companies that have: implemented an innovative pollution prevention strategy; updated pretreatment equipment or methods; reduced the amount of wastes being discharged to sewer; significantly reduced their water use or shown leadership in helping other companies comply with industrial pretreatment regulations. KCIW encourages companies to contact their assigned compliance investigator with questions.

See page 3 to contact KCIW for further information, or go to: <http://dnr.metrokc.gov/wlr/indwaste/Awards.htm>.

Gold Award (Continued from page 1)

B.S.B. Diversified Co.
Baker Commodities Inc.
Ball Metal Beverage Container Corp.
Berlex Laboratories LLC - Seattle
Boeing Commercial Airplane - Auburn
Boeing Commercial Airplane - North Field
Boeing Commercial Airplane - Renton
Boeing Electronics Center
Burlington Environmental - Kent
Carl Zapffe, Inc.
Circuit Services WorldWide
Color Tech
Container Properties, LLC
Crane-Eldec Corp. - Martha Lake Facility
Dawn Food Products, Inc.
Emerald Services, Inc.
Exotic Metals Forming Co.
Express Finishing
Genie Industries - Bldg. 2 - Moosewerks Plant
GKN Aerospace Chem-tronics Inc.
Glacier Northwest, Inc. - Kenmore
Hytek Finishes Co.
Interstate Brands Corp. - Hostess
Kenworth Truck Co. - Renton
Magnetic and Penetrant Services Co.
Mastercraft Metal Finishing, Inc.
Metro Transit South Base - Component Supply Center
Mikron Industries
Oberto Sausage Co. - Kent
Pacific Rendering Co., Inc.
Philip Environmental Services Corp.
Pioneer Industries
Precor Inc. - Plant 1
Precor Inc. - Plant 2
Prototron Circuits, Inc.
Puget Sound Energy, Inc.
Quality Finishing Inc.
Redhook Brewing Co.
Rexam Beverage Can Co.
Seattle Solid Waste - Kent Highlands Landfill
Shasta Beverage
Skills, Inc. - Ballard Facility
Stockpot, Inc.
Tri-Way Industries Inc.
Truesoups
Universal Brass, Inc.
Universal Manufacturing
Universal Sheet Metal, Inc.
Vectra Fitness Inc.
Western Pneumatic Tube
Western Processing Trust Fund II

Silver Award

Aero Controls, Inc. - 20th Street NW
Aerojet-General Corp.
Alaskan Copper Works - 6th Ave.
Berlex Laboratories LLC - Bothell
Burlington Northern/Santa Fe Railway
Cedar Grove Composting, Inc.
Coca-Cola Bottling Co. of Washington
Costco Wholesale
Da Vinci Gourmet (Kerry Inc.)
Davis Wire Corp.
Electrofinishing, Inc.
Genie Industries - Bldgs. 3 & 4
GM Nameplate, Inc.
Honeywell International Inc.
Industrial Container Services
King County Solid Waste - Cedar Hills
Landfill
Pacific Iron & Metal
Pepsi-Cola Co.
Skills, Inc. - Auburn Facility
Smith Fabrication Inc.
TTM Technologies, Inc.
Viox Corp.
WestFarm Foods/Darigold – Rainier

Every year, King County recognizes significant industrial users of the sewer system that have maintained an excellent record of compliance with the county's industrial waste discharge regulations for the previous calendar year. For awards criteria and more information, go to <http://dnr.metrokc.gov/wlr/indwaste/Awards.htm>.

King County's industrial pretreatment regulations are designed to prevent businesses from discharging substances that can degrade the wastewater treatment process, harm workers, damage facilities or reduce surface-water quality.

**This material is provided
in alternative formats
upon request by calling
206-263-3000
or TTY relay: 711**

Award winners *(Continued from page 1)*

Founded in 1952, Western Pneumatic Tube Company is a custom welded tube mill producing specialty tubing for aerospace, as well as a broad range of uses from nuclear and solar energy to irrigation and food processing industries. The company utilizes forming and welding techniques to produce specifically designed equipment to meet a wide spectrum of special production requirements.

Mastercraft Metal Finishing, Inc.

Located in Seattle, Mastercraft Metal Finishing has been in business for over 58 years, providing high quality custom and production plating to marine, automotive and other industries. Asked to what he attributed their successful compliance, owner Jim Gaviglio replied, "Simply stated - keep it small - less people, less problems!"

Congratulations, Western Pneumatic and Mastercraft!



At Mastercraft Metal Finishing, Inc.
l. to r.: Rodney Osbjornsen, inspection, shipping and receiving; John Laird, polisher; Greg Newborn, KCIW acting managing supervisor; Craig Harris, assistant general manager/plater; Jim Gaviglio, general manager/owner; Barbara Badger, KCIW compliance investigator; Ki Moa, polisher.

About the Industrial Pretreatment Quarterly

Published by the Industrial Waste Program, Wastewater Treatment Division, King County Department of Natural Resources and Parks.

Editors: Doug Hilderbrand, Dana West

Contributors: KCIW's Barbara Badger, Arnaud Girard, Doug Hilderbrand, Pat Magnuson, Kristin Painter, Jim Sifford, Bruce Tiffany, and Dana West.

Photos by: Ned Ahrens, King County Graphic Design and Production Services (KCGD&PS) and Barbara Badger; Tim Coffey, KCIW.

Layout: Doug Hammond, KCGD&PS

Printing: KCGD&PS. Special thanks to Dale Evans and staff.

Distribution: Bibiana Ameh, Kristin Painter

Publication is available on the Internet at: <http://dnr.metrokc.gov/wlr/ind-waste/publicat.htm>. For more information contact Doug Hilderbrand, KCIW Program Officer, at 206-263-3032 or TTY Relay: 711, or e-mail: douglas.hilderbrand@metrokc.gov.

Contact information:

King County Industrial Waste Program, 130 Nickerson St., STE 200, Seattle
WA 98109-1658. PH: 206-263-3000 or TTY:711

Discharges can harm pump stations



This oily tar-like waste was discovered on May 5th at the county's Interurban Avenue Pump Station on the Duwamish River in Tukwila. The Renton South Treatment Plant's off-site facilities group then called KCIW staff to investigate potential sources. IW Compliance Specialist Tim Coffey collected a sample, then followed the sewer line upstream of the pump station with Compliance Investigator Pat Magnuson to look in manholes and other pump stations in an attempt to locate the source. Although the source was not determined, this one-time discharge, whether a spill or intentional, caused operational problems in the King County system and created the need to expend resources to clean out the pump station.

Industrial Pretreatment Tips Definition of terms you may regularly encounter

In wastewater treatment and pollution control we use terms that are occasionally unique to this field, and sometimes the meanings are not readily obvious. Understanding the correct definition could be the determining factor of whether or not a company is in full compliance with regulations. This is a continuation of a series of articles on the terms that KCIW believes are the most important, and sometimes the least understood.

Terms: Industrial Waste; Clean Water

"Industrial Waste" shall mean any liquid, solid or gaseous substance, or combination of these, resulting from any process of industry, government agency, manufacturing, commercial food processing, business, agriculture, trade or research, including, but not limited to, the development, recovery or processing of natural resources, leachate from landfills or other disposal sites, decant water, contaminated non-process water, and contaminated storm water and ground water.

"Clean Water" (or "Unpolluted Water") shall mean water in its natural state, or water which, after use for any purpose, is not substantially changed or contaminated as to chemical or biochemical qualities. Water from roof drains, building foundation drains, storm water, clear water from cooling or condensing systems, air conditioning systems, wells and cisterns shall normally be considered to be "clean water" or "unpolluted water."

Facilities to revise slug control plans by October 15

In July KCIW sent a letter to selected facilities with industrial wastewater discharge permits requesting that they submit a revised slug/spill discharge control plan by Oct. 15. This is a result of requirements of the U. S. Environmental Protection Agency's (EPA's) Pretreatment Streamlining Final Rule, published in fall 2005. One of the amended sections of the rule requires that permitting authorities such as King County evaluate whether each permitted facility needs a slug discharge control plan and/or takes other related actions to control slug discharges. In response to the new standards KCIW evaluated permitted facilities' operations and spill prevention and containment plans to determine which facilities should revise their plans to include all slug discharge control elements listed by the EPA.

The Streamlining Rule amended sections of the EPA's General Pretreatment Rules are detailed in 40 CFR 403 of the Federal Register. The Pretreatment Streamlining Final Rule can be read in its entirety at: http://www.epa.gov/npdes/regulations/streamlining_fr_notice.pdf. For further information: KCIW included an overview of the new rule in a special insert in the December 2005 edition of this newsletter, on the Internet at: http://dnr.metrokc.gov/wlr/ind-waste/12_05_PTQ_stream_insert.pdf. For further information and to request copies of this material see contact information page 3. Facilities with questions should contact their assigned KCIW compliance investigators.

Ecology focuses on hospital waste

To help protect the environment, public health, biosolids quality, and the county's sewage system KCIW has issued industrial wastewater discharge authorizations to county hospitals since 2002. The program also works with these institutions on best management practices (BMPs).

Ecology awarded: The Washington State Department of Ecology (Ecology) has won the 2006 Champion for Change Award for creating a guide to Best Management Practices for Hospital Waste. The award is given by Hospitals for a Healthy Environment (H2E), a nationwide organization that helps healthcare facilities voluntarily become better environmental stewards.

For more information: go to <http://www.ecy.wa.gov/programs/hwtr/hospitals&healthycommunities.html> or contact Jenny Yoo at Ecology at 425-649-7166 or e-mail: jyoo46@ecy.wa.gov. Read more about KCIW's hospital program going to: <http://dnr.metrokc.gov/wlr/indwaste/hospitals.htm> or by calling KCIW Compliance Investigator Peggy Rice at 206-263-3028 or e-mailing: peggy.rice@metrokc.gov.

Conference for hospitals: Ecology is offering the Hospital and Clinical Waste Reduction and Management Conference Oct. 24 in Shoreline. With presentations by medical and regulatory communities, conference topics include: waste and toxic chemical reduction case studies, toxic substances and mercury, sterilants, pharmaceuticals, cleaners and other PBTs.

For more information visit: <http://www.ecy.wa.gov/mercury/hospitals/workshop.html>.

Molybdenum source survey to protect biosolids quality

King County turns wastewater solids into a natural resource called biosolids. This valuable soil amendment can be used to build soils, revegetate barren areas, and fertilize

crops and other plants. All of King County's biosolids are used beneficially in agriculture and forestry or as an ingredient in compost. The U.S. Environmental Protection Agency (EPA) studied biosolids for more than 10 years, then developed regulations that would protect human health and the environment. Biosolids have been recycled safely by King County for more than 25 years.

In 2007, the EPA intends to complete assessment of the need and appropriate level for a numerical standard for molybdenum in biosolids. King County's goal is to eliminate the risk of biosolids violations for EPA standards and reduce the influent loading of molybdenum. To do this the county must determine the sources and corrective measures necessary to reduce the quantity of molybdenum that finds its way into the collection system.

One of the most likely current sources of molybdenum in wastewater is from cooling towers used to supplement standard air conditioning, refrigeration and cooling water systems. One major use of molybdenum is in corrosion inhibition. Facilities usually add corrosion inhibitors to cooling systems not only to control corrosion but to prevent scaling, mineral deposition and bacteria and algae growth.

To begin the identification of molybdenum sources, KCIW will conduct a cooling tower survey this year. The goal of the survey is to establish a cooling tower inventory and characterize the impact of those cooling towers using products that contain molybdenum. Depending upon survey results, a next step would be encouraging facilities with cooling towers to reduce the use of molybdenum by substitution of other products and by doing other best management practices (BMPs).

For further information about King County biosolids recycling, see the county's Internet page: <http://dnr.metrokc.gov/wtd/biosolids/index.htm>. For information about the survey, contact KCIW Compliance Investigator Jim Sifford at 206-263-3008; e-mail: jim.sifford@metrokc.gov.

Local sewer agencies' update

KCIW hosted a workshop for 35 staff members of 15 local sewer agencies on April 26 at the King County West Point Treatment Plant. Topics covered during the half-day session included construction dewatering, control of polar fats, oils, and grease and KCIW updates. The meeting ended with a tour of the West Point facility led by plant personnel. If you have suggestions for topics for a future workshop, fact sheets or articles please contact Dana West, KCIW communications specialist by e-mailing: dana.west@metrokc.gov, or calling 206-263-3018. Further contact information on page 3.

Bert Guenther, wastewater operations supervisor (pictured) and Tom Cash, source control technician, both from City of Redmond, spoke on FOG issues.



Meet an IWAC member

KCIW is presenting a series of profiles of its Industrial Waste Advisory Committee (IWAC) members. With the goal of protecting the environment, public health, biosolids quality and King County's regional sewerage system, IWAC meets to exchange ideas among representatives of industrial wastewater dischargers, sewer agencies, environmental groups, and KCIW staff.

A member of IWAC since 2003, Scott Woerman is the laboratory director and regional account manager for TestAmerica's Bothell facility (formerly North Creek Analytical). TestAmerica is an environmental testing firm offering support from certified environmental analytical and microbiological laboratories throughout the United States and Asia. Many of Scott's clients hold permits that allow them to discharge into King County's sewerage system to ensure that they are in compliance prior to discharge.

"IWAC helps to facilitate communication among the business community, public interest and the regulatory agencies. It is important for me to be a part of IWAC so I can stay abreast of the ever-changing regulatory conditions that TestAmerica clients routinely face."

- Scott Woerman

Publication of recent enforcement actions

King County's Industrial Waste Program is responsible for making sure that water used by county industries returns to our waterways clean and safe. This protects our water resources, our public health, workers at treatment plants and the biosolids produced there.

Most businesses in King County do an excellent job of meeting this clean water goal by treating their industrial wastewater before they discharge it to the sewer. Whenever possible, we work to provide technical assistance and help industries reach compliance before enforcement actions become necessary. If companies violate clean water standards, however, we do take enforcement actions, as federal regulations require.

The following companies are users of the county sewer system that violated treatment requirements between June and August of 2006, or have not had their violations previously published. They were found in significant noncompliance during the reporting period; received fines; had violations that were unique or warranted special attention; or met a combination of those actions.

(Continued on page 7)

(Continued from page 6)

Burlington Environmental - Kent

20245 77th Ave. S., Kent

Nature of Violation/ Type of Pollutant: Reporting violation.

Basis for Publication: Burlington Environmental-Kent was in significant noncompliance for failing to file a mandatory report within 30 days of the due date.

Comments: Burlington Environmental-Kent was late in filing a 14-day report. Report is required when self-monitoring violations are detected. The report was subsequently filed.

Penalty: Notice of significant noncompliance.

G & K Services

1001 S.W. 34th St., Renton

Nature of Violation/ Type of Pollutant: Reporting violation.

Basis for Publication: G & K Services was in significant noncompliance for failing to file a mandatory report within 30 days of the due date.

Comments: G & K Services was late in filing a 14-day report. Report is required when self-monitoring violations are detected. The report was subsequently filed.

Penalty: Notice of significant noncompliance.

Pacific Metallurgical, Inc.

925 5th Ave. S., Kent

Nature of Violation/ Type of Pollutant: Reporting violation.

Basis for Publication: Pacific Metallurgical, Inc. was in significant noncompliance for failing to file a mandatory report within 30 days of the due date.

Comments: Pacific Metallurgical, Inc. was late in filing its April 2006 self-monitoring report. The report was subsequently filed.

Penalty: Notice of significant noncompliance.

Quala Systems, Inc.

19929 77th Ave. S., Kent

Nature of Violation/ Type of Pollutant: Reporting violation.

Basis for Publication: Quala Systems, Inc. was in significant noncompliance for failing to file its March 2006 self-monitoring report within 30 days of the due date.

Comments: G & K Services was late in filing a 14-day report. Report is required when self-monitoring violations are detected. The report was subsequently filed.

Penalty: Notice of significant noncompliance.

Other Enforcement Actions: King County Industrial Waste also acted on four other violations at four companies for the following parameters: late reports (2); exceeding maximum authorized volume (1); pH-acidic (1).

We all need to work together to prevent pollution. If you have information for the Industrial Waste Program or questions about our programs, please call 206 263-3032 or 711, TTY Relay Service. You may also visit our program's pages at <http://dnr.metrokc.gov/wlr/indwaste/index.htm> on the Internet.



Wastewater Treatment Division
Industrial Waste Program
130 Nickerson Street, Suite 200
Seattle, WA 98109-1658

PRSRT STD
U.S. POSTAGE
PAID
SEATTLE, WA
PERMIT NO. 01605

RETURN SERVICE REQUESTED

King County's Wastewater Treatment Division protects public health and water quality by serving 17 cities, 17 sewer districts and more than 1.4 million residents in King, Snohomish and Pierce counties. The regional public utility has been preventing water pollution for 40 years.

Help celebrate 40 years of clean water!

The West Point and South plants started treating wastewater 40 years ago.

Join us this fall at the wastewater treatment plants for the Industrial Waste Program's workshops and to recognize industry's contributions to protecting the water quality of the region.



We will mail all companies and facilities with KCIW industrial wastewater discharge permits and authorizations invitations to the fall workshops soon. Or visit: <http://dnr.metrokc.gov/wlr/indwaste/news.htm>.

Creating Resources from Wastewater